(19) World Intellectual Property Organization International Bureau

ZIPO OMPI

(43) International Publication Date 16 March 2006 (16.03.2006)

(10) International Publication Number WO 2006/027809 Al

(51) International Patent Classification7:

B31F 1/07

(21) International Application Number:

PCT/IT2005/000223

(22) International Filing Date: 19 April 2005 (19.04.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PT2004A0001 1 10 September 2004 (10.09.2004) I

(71) Applicant (for all designated States except US): O.M. FU-TURA S.P.A. [IT/IT]; Via per coselli, 9/9A, 1-55060 Badia a Cantignano (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CATELLI, Paolo [IT/IT]; Via delle Ville I, 697, 1-55100 Lucca (IT).

(74) Agent: MINCONE, Antimo; Via A. Manzoni, 23, 1-50121 Firenze (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

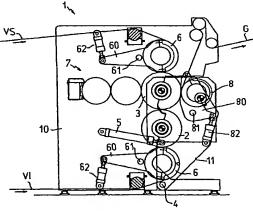
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONVERTIBLE EMBOSSING DEVICE



(57) Abstract: Convertible embossing device comprising a structure (1) with two fixed sides (10) and two mobile sides (11) with respective external faces (EF, EM) and internal faces (IF, IM) and provided with, in correspondence of the respective internal faces (IF, IM), two upper recesses (12, 13) and two lower recesses (12', 13') with a circle-arc profile intended to support the end flanges (20, 30) of the two embossing rolls (2, 3) orthogonal to the sides (10, 11) of the same structure (1), wherein the mobile sides (11) are joined to the fixed sides (10) and connected to corresponding handling means (5). In a first operating position, the mobile sides (11) are approached to the fixed sides (10) and the respective upper and lower recesses (12, 13, 12', 13') define, by cooperating with one another, two pairs of circular seats for the flanges (20, 30) of said rolls (2, 3), and in that, in a second operating position, the mobile sides (11) are distanced from the fixed sides (10) and the upper recesses (12, 13) of said sides (10) and (11) define, each one by cooperating with corresponding semi-circular closure flanges (15, 16), two pairs of circular seats for the flanges (20, 30) of said rolls (2, 3).

11

WO 2006/027809